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SIPE	· · ·	10/584,226
/O' TRANSMITTAL	Filing Date	June 23, 2006
₹ FORM	First Named Inventor	Walter Blum
- MAY 1 4 2007 w	Art Unit	1772
	Examiner Name	
(to be used for a correspondence after initial	Attorney Docket Number	DO 40 CELIG (HOOS CO)
Total-Number of Pages in This Submission		RO4265US (#90568)
	ENCLOSURES (Check all	that apply)
Fee Transmittal Form  Fee Attached	Drawing(s)  Licensing-related Papers	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences
Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement  Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence A Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD Remarks Please charge any fee Account No. 08-2441.	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):  IPRP and return postcard receipt
SIGNA	ATURE OF APPLICANT, ATTO	RNEY, OR AGENT
D. Peter Hochberg C	Co., L.P.A.	
Signature		•
Printed name D. Peter Hochberg		
Date May 1	1,2007	Reg. No. 24,603
<u></u>	J	
C	ERTIFICATE OF TRANSMISSI	ON/MAILING
		O or deposited with the United States Postal Service with Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on
Signature 5	ulli	
Typed or printed name Sean Mellino	)	Date 5/1/07

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.

Description of the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEETD A NORALTT A L	Application Number	10/584,226	
FEETRANSMITTAL	Filing Date	June 23, 2006	
For FY 2007 پر 14 2007	First Named Inventor	Walter Blum	
Applicant of the small antity status. See 27 CER 4 27	Examiner Name		
Applicant dams small entity status. See 37 CFR 1.27	-Art Unit	1772	
TOTAL AMOUNT OF PAYMENT (\$) 0.00	Attorney Docket No.	RO4265US (#9056	58)
METHOD OF PAYMENT (check all that apply)			
	. П.,		
Check Credit Card Money Order Nor			
X Deposit Account Deposit Account Number: 08-2441	•	ame: D. Peter Hochb	perg Co., L.P.A.
For the above-identified deposit account, the Director is her	reby authorized to: (check	( all that apply)	
Charge fee(s) indicated below		indicated below, except	t for the filing fee
Charge any additional fee(s) or underpayments of fe	e(s) Credit any ov	erpayments	
WARNING: Information on this form may become public. Credit card inf		luded on this form. Provid	le credit card
Information and authorization on PTO-2038. FEE CALCULATION		· · · · · · · · · · · · · · · · · · ·	
1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES SFAR	CH FEES EXAM	MINATION FEES	
Small Entity	Small Entity	Small Entity	Face Doid (\$)
Application Type         Fee (\$)         Fee (\$)         Fee (\$)           Utility         300         150         500			Fees Paid (\$)
	250 200	•	
Design 200 100 100	50 130		<del></del>
Plant 200 100 300	150 160		
Reissue 300 150 500	250 600	,	
Provisional 200 100 0	0	0 0 .	
2. EXCESS CLAIM FEES Fee Description			all Entity Fee (\$)
Each claim over 20 (including Reissues)		50	25
Each independent claim over 3 (including Reissues)		200	100
Multiple dependent claims	= 1.1.4N	360	180
Total Claims Extra Claims Fee (\$) Fee	e Paid (\$)	Multiple Deper Fee (\$)	Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20.		<u>ree (3)</u>	ree raiu (\$)
	Paid (\$)		
- 3 or HP = x = HP = highest number of independent claims paid for, if greater than 3.	<del></del>		
3. APPLICATION SIZE FEE			
If the specification and drawings exceed 100 sheets of palistings under 37 CFR 1.52(e)), the application size fe			
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G)		r small entity) for eac	n additional 50
<u>Total Sheets</u> <u>Extra Sheets</u> <u>Number of each</u>	h additional 50 or fracti	on thereof Fee (\$)	Fee Paid (\$)
	_ (round <b>up</b> to a whole no	umber) x <u>250.00</u>	_ =0.00
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity)	discount)		Fees Paid (\$)
Other (e.g., late filing surcharge):	<u> </u>		
SUBMITTED BY			
	Registration No.	,603 Telephone	216-771-3800
Name (Print/Type) D. Peter Hochberg	(Attorney/Agent) 24:	Date 7/1	4, 11, 200 7
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This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sean Mellino

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Walter Blum, et al.

Serial No.

10/584,226 / Confirmation No.: 9147

Filed

June 23, 2006

Title

Sealing Tape for Adhesive Bonding of Vapour Barrier

Films and Vapour Retarder Films, and Process for its

Manufacture (per preliminary amendment)

Examiner

/ Art Unit: 1772

Attorney Docket

RO4265US (#90568)

Commissioner for Patents

P O Box 1450

Alexandria, Virginia, 22313-1450

#### LETTER

Dear Sir:

For inclusion in the record of the referenced patent application is an English translation of the "International Preliminary Report on Patentability" rendered on February 24, 2006 with respect to PCT/EP2004/014329 from which this is a 371 application.

Date: May 11, 2007

D. Peter Hochberg Reg. No. 24,603

Respectfully submitted,

D. Peter Hochberg Co., L.P.A. 1940 E.6<sup>th</sup> Street – 6<sup>th</sup> Floor

Cleveland, OH 44114

(216) 771-3800

#### From the INTERNATIONAL BUREAU

NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OR CHAPTER II OF THE PATENT COOPERATION TREATY) (PCT Rules 44bis.3(c) and 72.2)

Eingegangen FLACCUS, Rolf-Dieter Bussardweg 10 50389 Wesseling **ALLEMAGNE** 

0 4. JAN: 2007

Date of mailing (day/month/year) 28 December 2006 (28.12.2006)	FRIST:
Applicant's or agent's file reference LKG 004/2003 PCT	IMPORTANT NOTIFICATION
International application No. PCT/EP2004/014329	International filing date (day/month/year) 16 December 2004 (16.12.2004)
Applicant LOHM	IANN GMBH & CO. KG et al

					_	
1	Transmittal	of the	translation	ťΛ	the s	annlicant.

The Interna	ational Bureau transmits herewith	a copy of the English translation	on of the international preliminary	report or
patentabili	ty (Chapter I).			

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

#### Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

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Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ellen Moyse
Facsimile No. +41 22 338 82 70	Facsimile No. +41 22 338 82 70

Form PCT/IB/338 (January 2004)

### PATENT COOPERATION TREATY

# **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

1	agent's file reference 14/2003 P		FOR FURTHER A	ACTION	See Form PCT/IPEA/416
International a	application No.		International filing da	ate (day/month/year)	Priority date (day/month/year)
PCT/EF	2004/014	329	16.12.200		23.12.2003
International I	Patent Classification	on (IPC) or natio	onal classification and	IPC	
C09J7/	′00				
1	IN GMBH &	CO. KG	<b>!</b>		
			ninary examination re applicant according t		nternational Preliminary Examining Authority
2. This	REPORT consists	of a total of	9	sheets, including	this cover sheet.
3. This	report is also acco	ompanied by AN	NEXES, comprising:		
· a.	(sent to the	applicant and t	o the International Bu	reau) a total of _3	sheets, as follows:
-	sheets	•		•	mended and are the basis for this report and/or the 70.16 and Section 607 of the Administrative
					iders contain an amendment that goes beyond in item 4 of Box No. I and the Supplemental
	<del></del> ,	International B	tureau anhil a total of	(indicate type and number	of electronic consists)
υ. [	(Sem to the	memanona D	areau omy) a total of	(marcale type and number	of electionic carria(s))
			readable form only, a ative Instructions).	s indicated in the Suppler	, containing a sequence listing and/or tables mental Box Relating to Sequence Listing (see
4. This	report contains inc	dications relating	g to the following iter	ns:	
$\bowtie$	Box No. I	Basis of the r	report :		·
	Box No. II	Priority	.cport		
	Box No. III		hment of opinionish	regard to novelto i	us oten and industrial and industrial
			_	rregard to noverty, inventi	ve step and industrial applicability
	Box No. IV	Lack of unity Reasoned state		35(2) with regard to navel	ty, inventive step or industrial applicability;
	Box No. V		explanations supporti		,, investive step of industrial applications,
	Box No. VI	Certain docu	ments cited		
	Box No. VII	Certain defec	ts in the international	application	
	Box No. VIII	Certain obser	vations on the interna	tional application	
Date of submis	ssion of the deman	d	T	Date of completion of thi	s report
				3 U	02,2006
Name and mai	ling address of the	IPEA/EP		Authorized officer	Car becau
Facsimile No			i	Telephone No	

International application No.

PCT/EP2004/014329

Воз	k No. I	Basis of the report		
1.		h regard to the language, this report is based on the internati- cated under this item.	onal application in the language in	which it was filed, unless otherwise
		This report is based on translations from the original langu which is the language of a translation furnished for the pur		
		international search (Rule 12.3 and 23.1(b))	•	
		publication of the international application (Rule 12.		
	Wial	international preliminary examination (Rule 55.2 and	•	
2.	rece	h regard to the elements of the international application, this iving Office in response to an invitation under Article 14 a report):	re referred to in this report as "o	riginally filed" and are not annexed to
	片	the international application as originally filed/furnished		
	$\mathbf{\Delta}$	the description:		
		pages 1-6		as originally filed/furnished
		pages*	received by this Authority on	
		pages*	received by this Authority on	
	$\boxtimes$	the claims:		
		nos.		as originally filed/furnished
		nos.*	as amended (togethe	r with any statement) under Article 19
		nos.* 1-14	received by this Authority on	06.02.2006 with letter of 03.02.2006
		nos.*	received by this Authority on	
		the drawings:		
	_	sheets		as anisimally flad/franished
		sheets*		as originally filed/furnished
		sheets*	received by this Authority on	
			_ received by this Authority on	
		a sequence listing and/or any related table(s) – see Supplen	nental Box Relating to Sequence L	isting.
3.	Ш	The amendments have resulted in the cancellation of:		
		the description, pages		, 
		the claims, nos.		
		the drawings, sheets/figs		
		the sequence listing (specify):		
		any table(s) related to sequence listing (specify):		<u> </u>
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi		
		the description, pages		:
		□		
		the drawings, sheets/figs		
		The second secon		
*	If ite	m 4 applies, some or all of those sheets may be marked "sup		

International application No.

PCT/EP2004/014329

Box	x No. II		Priority							
1.		This re		ablished as if no price	rity ha	ad been claimed due to th	ne failure to furnish within	the prescribed time limit the		
		copy of the earlier application whose priority has been claimed (Rule 66.7(a)).								
	L	translation of the earlier application whose priority has been claimed (Rule 66.7(b)).								
2.		This report has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rule 64.1). Thus for the purposes of this report, the international filing date indicated above is considered to be the relevant date.								
3.	Additi	onal o	observations, if neo	cessary:						
	T	he	claimed	priority	is	considered	valid.			
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International application No.
PCT/EP2004/014329

Box	No. V	Reasoned stateme citations and expl	nt under A anations su	rticle 35(2) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement				
	Novelty	(N)	Claims		YES
			Claims	1-17	NO
	Inventiv	e step (IS)	Claims		YES
			Claims	1-17	NO
	Industria	al applicability (IA)	Claims	1-17	YES
			Claims		NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

- D1: DE 100 63 018 A1 (TESA AG)
- D2: EP-A-1 262 532 (3M INNOVATIVE PROPERTIES COMPANY)
- D3: GB-A-1 357 586 (NORTON CO)
- D4: WO 2004/108851 A (3M INNOVATIVE PROPERTIES COMPANY)
- D5: EP-A-0 604709 (LOHMANN GMBH & CO. KG; LOHMANN GMBH & CO KG)

#### 1. Novelty

- 1.1 Independent claim 1 of the present application, in the original version thereof, discloses:
  - a) self-adhesive, flexible sealing strip, comprising
  - b) at least one flexible, self-adhesive core, or at least one flexible, self-adhesive support layer, provided with
  - c) a sheathing or a double-sided coating of a second adhesive system.
- 1.2 D1 discloses a) a double-sided adhesive film made
   from b) a flexible support material, containing,
   in addition to elastomers, 30-70 wt. % of an

whole document).

Box No. V

adhesive resin. The elastomers are, for example, styrol-butadiene or styrol-isoprene block copolymers. c) The elastomer support material is coated with an acrylate dispersion as contact adhesive. Ethyl hexyl acrylate and butyl acrylate in particular, are used as acrylates (see the

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

- 1.3 Claims 1-4, 9-11 and 15-17 therefore do not meet the requirements of PCT Article 33(1) as they are not novel over **D1** under PCT Article 33(2).
- 1.4 D2 discloses a) a sealing adhesive strip made from
  b) a layer of a hot-melt adhesive which contains,
  for example, PE, PP and the copolymers thereof. c)
  A layer of a pressure-sensitive adhesive made from
  acrylates is applied to the layer of hot-melt
  adhesive. A second layer of adhesive can also be
  present. The pressure sensitive adhesive layer may
  also be foamed. d) In addition, fibres, random
  fibre layers and woven materials are used for
  reinforcement (abstract; paragraphs [0015]-[0017]
  and [0036]-[0047]; claims).
- 1.5 Claims 1, 2 and 5-17 therefore do not meet the requirements of PCT Article 33(1), as they are not novel over D2 under PCT Article 33(2).
- 1.6 D3 discloses a) an adhesive strip made from b) a
   layer of hot-melt adhesive comprising, for
   example, styrol copolymers, polyisobutylene, etc.
   c) coated on one side with a pressure-sensitive
   adhesive made from acrylate (page 1, lines 20-25;
   page 2, lines 22-127; claim 1).
- 1.7 Claims 1-17 of the present application therefore meet the requirements of PCT Article 33(2), as

International application No.
PCT/EP2004/014329

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

they are novel over D3.

1.8 The applicant is advised that D4, identified in the international search report by "E" is considered relevant to novelty after entry into the regional european phase before the European Patent Office.

#### 2. Inventive Step

- 2.1 As none of the present claims 1-17 is novel over D1 and D2 of the prior art, no inventive step in the sense of PCT Article 33(3) is involved.
- 2.2 It is advised that hot-melt adhesive is generally known, as, for example, in D5.

#### 3. Industrial Applicability

**3.1** The subject matter of claims 1-17 is industrially applicable.

International application No.
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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

#### Clarity - PCT Article 6

According to the PCT Guidelines II 5.40, expressions like "preferably", "optionally" or "particularly", as used in claims 9, 11 and 17 of the present application, do not limit the scope of protection of the claims. It is advised that a feature following such an expression should be regarded as entirely optional. If such an expression is intended to limit the scope of protection then it must be made the subject matter of a dependent claim.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:  $\mbox{Box}\ 1$ 

#### Basis of the report

#### 1. Amendments - PCT Article 34(2)(b)

- 1.1 The amendments submitted with the letter of 03
  February 2006 introduce substantive matter which,
  contrary to PCT Article 34(2)(b), goes beyond the
  disclosure in the original version of the
  international application. The reasons are as
  follows:
- 1.2 From the wording of the original dependent claim 3 it is not clear whether all polymers cited in this claim for the core/support layer or only the acrylates are "cross-linked thermally or by means of UV radiation".
- 1.3 Support for the formulation "...copolymers of vinyl acetate, polyisobutylene and acrylates cross-linked thermally or by means of UV radiation" that is to say a limitation of the cross-linking to the acrylates, may only be found on page 4, paragraph 1 of the original description.
- 1.4 From the description on page 4, paragraph 1 it is clear that the particularly suitable core materials and here more particularly the "acrylates cross-linked thermally or by means of UV radiation" "exhibit a glass transition temperature  $(T_g)$  of less than  $0^{\circ}C$  due to the formulation thereof". This feature is absent in the amended independent claim 1 of the present application and first appears in the amended

International application No.
PCT/EP2004/014329

#### Supplemental Box

dependent claim 2 of the present application.

- 1.5 Also to be taken into account is that styrol block copolymers as claimed for the core/support layer, generally exhibit two  $T_g$  values, that is to say one  $T_g$  value for each different block. The value for the glass transition temperature of a styrol block will always be over  $0^{\circ}\text{C}$ .
- 1.6 A person skilled in the art would thus interpret from the first paragraph of page 4 that the indicated  $T_g$  values only relate to the acrylates.
- 1.7 This indication is however missing from the amended independent claim 1, said claim thus being inadmissibly extended, as the amended version includes all acrylates and not only those with a  $T_g$  value of less than  $0^{\circ}$ C. The amended independent claim 1 thus goes beyond the disclosure of the original application.
- 1.8 Claims 1-17 in the original version thereof thus form the basis of the present international preliminary examination report.